

CENTRAL INTELLIGENCE AGENCY

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SUBJECT Standard Makes of Wire, Cable and Flexible Cord  
Used in the USSR

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**SOURCE**

The following standard makes of wire, cable and flexible cord are used in the USSR:

1. "PR-380" - rubber wire. This wire has a single, tin-plated copper core, a covering ~~obolochka~~ of vulcanised rubber, taping of rubberised tape, and braiding of cotton or linen yarn impregnated with an insulating compound. The following gauges have been established for wire cores (in square millimeters): 0.75, 1.0, 1.5, 2.5, 4.0, 6.0, 10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400. The wire is used with a rated voltage of 380 volts, inside heated and non-heated buildings as well as outside.
2. "PR-500" - rubber wire. This wire has a single, tin-plated copper core, a two-layer covering of vulcanised rubber, wrapping of rubberised tape, braiding of cotton or linen yarn, impregnated with an insulating compound. The gauges of "PR-500" wire are the same as those of "PR-380" wire. The wire is used with a rated voltage of 500 volts in heated and unheated buildings, outside and also in damp buildings. It is run on rollers, insulators, wooden clamps, in ebonite tubes and in gas pipes.
3. "PRG-500" - flexible rubber wire. This wire has a single copper core made of fine tin-plated wires, a solid covering of vulcanised rubber, taping of rubberised cotton - yarn tape, braiding of cotton or linen yarn impregnated with an insulating compound. The gauges of "PRG-500" wire are the same as for "PR-380" and "PR-500" wire. It is used in heated, unheated and damp buildings, outside, and also as a welding cable, with a rated voltage of 500 volts.

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4. "ShR-500", "ShR-220" - rubber flexible cord. These cords have a flexible copper core of fine tin-plated wires, a solid covering of vulcanized rubber, taping of cotton yarn, and braiding of cotton thread. Two cores are twisted together. The following gauges have been established for flexible cord, in square millimeters: 0.5, 0.75, 1.0, 1.5, 2.5, 4.0, 6.0. Flexible cords are used in normal heated and unheated buildings, with a rated voltage of 500 and 220 volts.

Flexible cables are run on porcelain rollers, or, on wooden cleats.

5. "ShRPS" - rubber cord. This cord has a flexible copper core of fine tin-plated wires. The rubber-insulated cord is in a shielded rubber hose of average firmness. The gauges of this cord are the same as those of "ShR-500" and "ShR-220" cords. It is used, with a rated voltage of 380 volts, for portable electrical apparatuses, both indoors and outdoors, e.g., for electric tools.
6. "PRD" - double-core rubber wire. This wire which is similar to flexible cord has two rubber-insulated flexible copper cores. The wire is used in normal heated and non-heated buildings, with a rated voltage of 220 volts. It is run on porcelain rollers or wooden cleats.
7. "SBQ" - cable. This cable is single-core, lead-coated, asphalted and armored. The outer protective sheath is made of bituminous compound. The following gauges have been established for this cable, in square millimeters: 1.5, 2.5, 4, 6, 10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400, 500, 625, 800, 1000. The cable is used for installation in the ground, in normal soils, with a rated voltage of 10,000 volts.
8. "SAD" - cable. This cable is single-core, lead-coated, asphalted and armored with an extra outer protective sheath. The gauges of the cable are the same as those established for "SBQ" cable. It is used for installation in the ground, in normal soils as well as in soils of high dampness, in alkaline or acid milieu, and in explosion-proof and fire-proof buildings, with a rated voltage of 10,000 volts.
9. "NRK" cable. This is a single-core cable. Rubber insulation in its covering protects the cable from osustic gasses or vapors without an external sheath. The gauges of the cable are the same as those established for the above-mentioned makes of cable. The cable is used for installation in ducts and conduits, uncovered in buildings (including those where there are gasses and vapors), outside of buildings, and on surfaces, with a rated voltage of 1,000 volts.
10. "VRQ" cable. This is a single-core rubber-insulated cable in a fire-resistant cover without an external sheath. The gauges of the cable are the same as those established for the above-mentioned makes of cable. The cable is used, with a rated voltage of 1,000 volts, for installation in ducts, conduits, and uncovered in buildings including those which are not fire-proof.
11. "KRPS" cable. This cable has a copper-core, is rubber-insulated flexible cable in a heavy rubber hose. Gauges of the cable are the same as those established for the above-mentioned cables. It is used for portable electric instruments and welding equipment, with a rated voltage of 1000 volts.
12. "KRPT" cable. This is a rubber-insulated multi-core cable in a heavy hose. It is used, with a rated voltage of 380 volts for welding work.

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